Claim Amendments (proposed for discussion purposes only)

28. (original) A reagent system comprising a compound according to Claim 26, an antibody for amphetamine and an antibody for methamphetamine.

29. (currently amended) A method for determining amphetamine and/or methamphetamine in a sample suspected of containing amphetamine and/or methamphetamine, said method comprising:

(a) providing in combination in a medium:

(i) said sample and

(ii) a reagent system according to Claim 28; and

(b) examining said medium for the presence or amount of signal from said enzyme ~~of a complex comprising said compound and said antibody for amphetamine and/or a complex of said compound and said antibody for methamphetamine~~, the presence or amount thereof indicating the presence or amount of said amphetamine and/or methamphetamine in said sample.

Claim 30 (canceled).

31. (original) A method according to Claim 30 wherein said method is a homogeneous method and said medium is examined for the amount of said signal.

32. (currently amended) A method according to Claim 30 wherein said method is a heterogeneous method and ~~said complex, if present, is separated from said medium and~~ said medium or said complex is examined for the amount of said signal.

33. (currently amended) A method for determining amphetamine and/or methamphetamine in a sample suspected of containing amphetamine and/or methamphetamine, said method comprising:

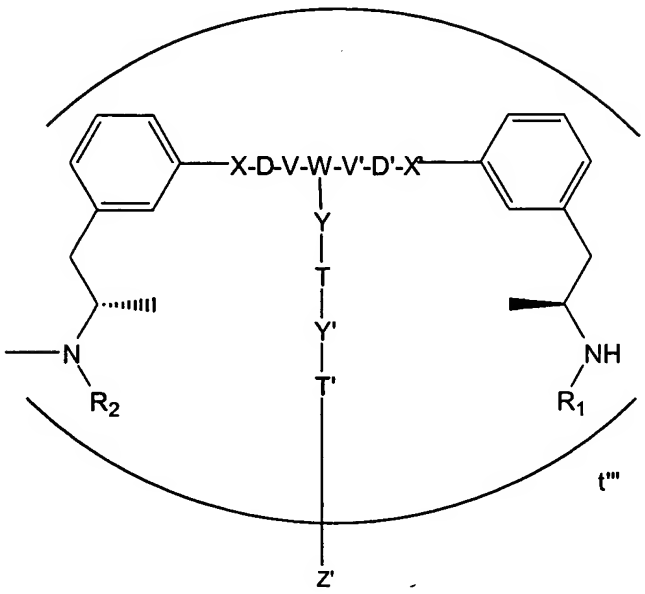
(a) providing in combination in a medium:

(i) said sample,

(ii) an antibody for amphetamine,

(iii) an antibody for methamphetamine,

(iv) a compound of the formula:



wherein:

R_1 and R_2 are H,

X and X' are independently O, S, or a bond;

D and D' are independently alkylene or substituted alkylene;

V and V' are independently O, S, or a bond;

W is CH;

Y is O, S, a bond, or NR_3 wherein R_3 is H or lower alkyl;

T is alkylene, -(C=O)alkylene, , ethereal alkylene, acetamide or a bond;

Y' is O, S, a bond, or NR_3 wherein R_3 is H or lower alkyl;

T' is alkylene, -(C=O)alkylene, ethereal alkylene, acetamide or a bond; and

Z' is an enzyme;

t'' is an integer between 1 and the molecular weight of said enzyme divided by about 500; with the proviso that X and X' have approximately the same length, D and D' have approximately the same length, and V and V' have approximately the same length; and

(b) examining said medium for the presence or amount of signal from said enzyme ~~of a complex comprising said compound and said antibody for amphetamine and/or a complex of~~

~~said compound and said antibody for methamphetamine~~, the presence or amount thereof indicating the presence or amount of said amphetamine and/or methamphetamine in said sample.

Claim 34 (canceled).

35. (original) A method according to Claim 34 wherein said method is a homogeneous method and said medium is examined for the amount of said signal.

36. (currently amended) A method according to Claim 34 wherein said method is a heterogeneous method and ~~said complex, if present, is separated from said medium and~~ said medium or said complex is examined for the amount of said signal.

37. (original) A method according to Claim 33 wherein said enzyme is glucose-6-phosphate dehydrogenase.

38. (currently amended) A method for determining amphetamine and/or methamphetamine in a sample suspected of containing amphetamine and/or methamphetamine, said method comprising:

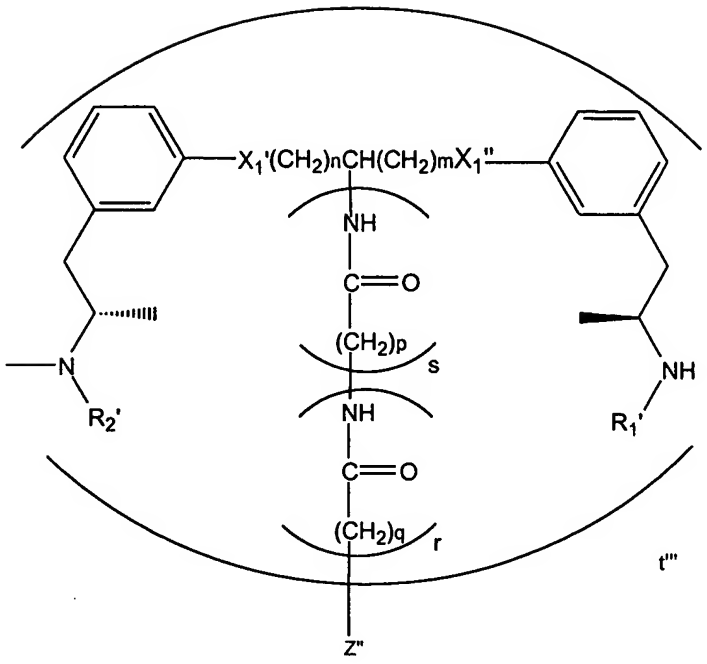
(a) providing in combination in a medium:

(i) said sample,

(ii) an antibody for amphetamine,

(iii) an antibody for methamphetamine,

(iv) a compound of the formula:



wherein:

R_1' and R_2' are H,

X_1' and X_1'' are S or O;

Z" is an enzyme;

t''' is an integer between 1 and the molecular weight of said enzyme divided by about 500; and

n, m, p, q, r and s are each independently 1 to 5; and

(b) examining said medium for the presence or amount of signal from said enzyme ~~of a complex comprising said compound and said antibody for amphetamine and/or a complex of said compound and said antibody for methamphetamine~~, the presence or amount thereof indicating the presence or amount of said amphetamine and/or methamphetamine in said sample.

Claim 39 (canceled).

40. (original) A method according to Claim 39 wherein said method is a homogeneous method and said medium is examined for the amount of said signal.

41. (currently amended) A method according to Claim 39 wherein said method is a heterogeneous method and ~~said complex, if present, is separated from said medium and~~ said medium or said complex is examined for the amount of said signal.

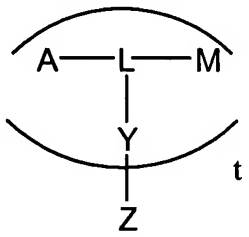
42. (original) A method according to Claim 38 wherein said enzyme is glucose-6-phosphate dehydrogenase.

43. (currently amended) A kit comprising in packaged combination:

(i) an antibody for amphetamine,

(ii) an antibody for methamphetamine,

(iii) a compound of the formula:



wherein:

A is an amphetamine moiety,

M is a methamphetamine moiety,

L is a linking group,

Y is a bond or a linking group and is bonded to L at a point equidistant between A and M,

Z is an enzyme,

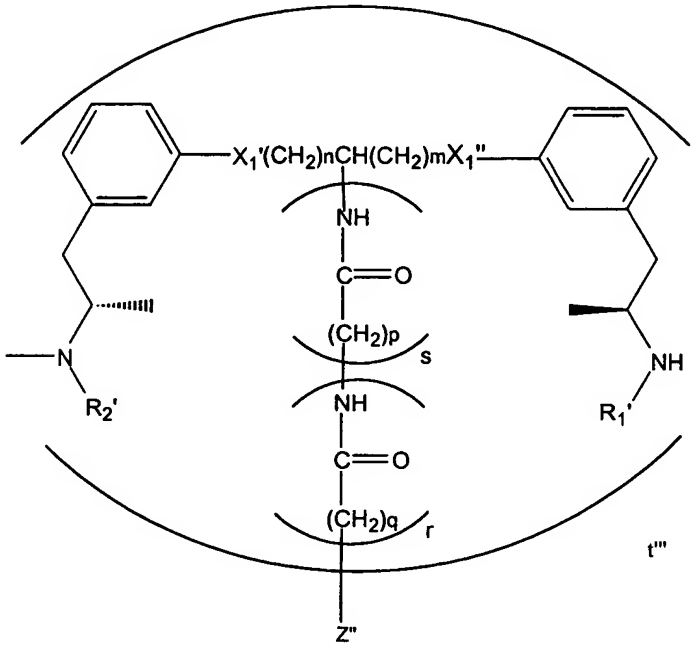
t is an integer between 1 and the molecular weight of said enzyme divided by about 500.

44. (currently amended) A kit according to Claim 43 wherein A and M are linked to L from the same corresponding position in A and M.

45. (currently amended) A kit according to Claim 43 wherein said amphetamine and said methamphetamine are stereospecific.

46. (original) A kit according to Claim 43 wherein said enzyme is glucose-6-phosphate dehydrogenase.

47. (original) A kit according to Claim 43 wherein said compound has the formula:



wherein:

R_1' and R_2' are H,

X_1' and X_1'' are S or O;

Z" is an enzyme;

t''' is an integer between 1 and the molecular weight of said enzyme divided by about 500; and

n, m, p, q, r and s are each independently 1 to 5.